Use GIS to help an endangered species

Project Title	Use GIS to help an endangered species
Project Summary	Use remote sensing and GIS to track the progress of habitat restoration for two listed species - the southwestern willow flycatcher and the western yellow-billed cuckoo.
Country	United States

Project Description

This project will utilize remote sensing to assess habitat restoration efforts. Specifically, this project will track 1) expansion of canopy cover, 2) cover of non-native plant species (Tamarisk, Siberian Elm, Russian olive), 3) amount of habitat within a given distance of water. Desire a candidate with interest in using machine learning techniques to classify images. Experience with R and/or Python helpful.

Required Skills or Interests

Skill(s)
Data analysis
GIS expertise
Writing

Additional Information

This project is a great way to help with species conservation and better understand the work that goes on at a National Wildlife Refuge. The candidate chosen will gain valuable real-life experience while helping inform management for threatened and endangered species.

Language Requirements

None